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#3 Page 1 of 1



BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN  
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WASHINGTON, D.C. 20231  
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APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
00/044,603	01/11/2002	Kathrin Berkner	74451.P137

CONFIRMATION NO. 9494

FORMALITIES LETTER



\*OC00000007448680\*

BLAKELY, SOKOLOFF,  
TAYLOR & ZAFMAN LLP  
Seventh Floor  
12400 Wilshire Boulevard  
Los Angeles, CA 90025-1026

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Date Mailed: 02/08/2002

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

*Filing Date Granted*

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(l) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 130.

*A copy of this notice **MUST** be returned with the reply.*

*B. Liepelt*

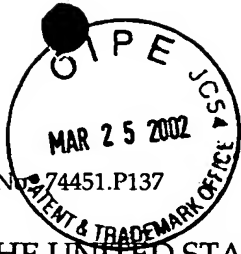
Customer Service Center  
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PART 2 - COPY TO BE RETURNED WITH RESPONSE

03/27/2002 MAHME1 00000125 10044603

01 FC:105

130.00 00



#3

Attorney's Docket No. 74451.P137

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In Re Patent Application of:

Kathrin Berkner et al.

Application No.: 10/044,603

Filed: January 10, 2002

For: CONTENT AND DISPLAY DEVICE  
DEPENDENT CREATION OF  
SMALLER REPRESENTATIONS OF  
IMAGES

Examiner: Unknown

Art Unit: 2621

Box Missing Parts  
Commissioner for Patents  
Washington, DC 20231

RESPONSE TO NOTICE TO FILE MISSING PARTS  
OF NONPROVISIONAL APPLICATION  
(FILED UNDER 37. C.F.R. 1.53(b) (FILING DATE GRANTED))

Sir:

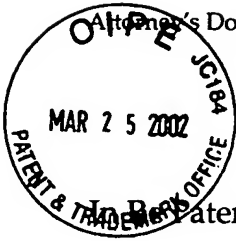
In response to the Notice of Missing Parts of Application (Filing Date Granted)  
mailed February 8, 2002, please find enclosed:

1) a duly executed Declaration and Power of Attorney with respect to the  
above-referenced patent application;

2) a check in the amount of \$130.00 in payment of the surcharge of 37  
C.F.R. § 1.16(e);

3) a copy of the Notice to File Missing Parts of Application;

4) a Fee Transmittal (in duplicate).



Attorney's Docket No. 74451.P137

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Application of:

Kathrin Berkner et al.

Application No.: 10/044,603

Filed: January 10, 2002

For: CONTENT AND DISPLAY DEVICE  
DEPENDENT CREATION OF  
SMALLER REPRESENTATIONS OF  
IMAGES

Examiner: Unknown

Art Unit: 2621

Commissioner for Patents  
Washington, D.C. 20231

REQUEST FOR CORRECTED FILING RECEIPT

Sir:

Enclosed is a copy of the Official Filing Receipt dated February 8, 2002, in connection with the above-identified patent application. It contains the following error(s):

1. The filing date is incorrect. This application was filed on January 10, 2002, as evidenced by the Express Mail receipt and the Utility Patent Application Transmittal, copies of which are enclosed.

2. The title is erroneously stated as "Content and Display Device Dependent Creation of Smaller Representation of Images". The correct title is

-- Content and Display Device Dependent Creation of Smaller Representations of Images --,

as evidenced by the first page of the specification filed on January 10, 2002, and the executed Declaration, copies of which are enclosed.


Please correct your records to reflect the above information and then forward to us a corrected filing receipt. The enclosed copy of the filing receipt is marked with the appropriate correction(s).

If you have any questions, please contact the undersigned.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Dated: 3/13/02

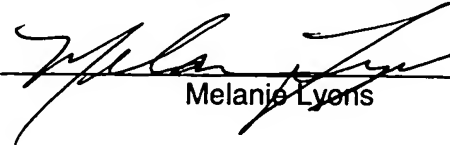
  
\_\_\_\_\_  
Michael J. Mallie, Reg. No. 36,591

12400 Wilshire Blvd.  
Seventh Floor  
Los Angeles, CA 90025-1026  
(408) 720-8300

**FIRST CLASS CERTIFICATE OF MAILING**

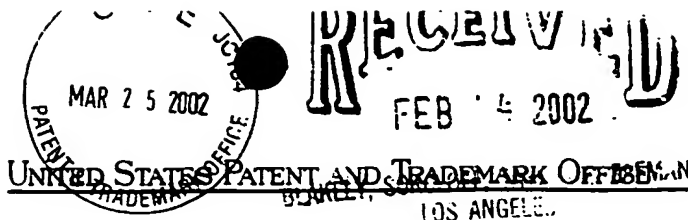
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage in an envelope addressed to the Commissioner for Patents, Washington, DC 20231 on

Date: 3-13-02

Name:   
\_\_\_\_\_  
Melanie Lyons

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MTM


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 WASHINGTON, D.C. 20231  
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APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
10/044,603	01/14/2002 10	2621	2414	74451.P137	31	85	8

CONFIRMATION NO. 9494

## FILING RECEIPT



\*OC00000007448679\*

 BLAKELY, SOKOLOFF,  
 TAYLOR & ZAFMAN LLP  
 Seventh Floor  
 12400 Wilshire Boulevard  
 Los Angeles, CA 90025-1026

Date Mailed: 02/08/2002

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

ENTERED

FEB 14 2002

STATUS DB-LA

## Applicant(s)

 Kathrin Berkner, Residence Not Provided;  
 Ramesh Neelamani, Residence Not Provided;  
 Gregory J. Wolff, Residence Not Provided;  
 Martin Boliek, Residence Not Provided;  
 Peter Hart, Residence Not Provided;

Domestic Priority data as claimed by applicant

Foreign Applications

If Required, Foreign Filing License Granted 02/07/2002

Projected Publication Date: Request for Non-Publication Acknowledged

Non-Publication Request: Yes

Early Publication Request: No

## Title

 Content and display device dependent creation of smaller <sup>Representations</sup> representation of images /

Preliminary Class

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**LICENSE FOR FOREIGN FILING UNDER**  
**Title 35, United States Code, Section 184**  
**Title 37, Code of Federal Regulations, 5.11 & 5.15**

**GRANTED**

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

**NOT GRANTED**

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).



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TO ADDRESSEE**

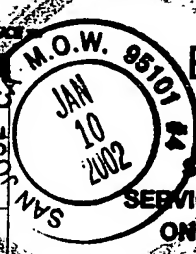


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**FROM: (PLEASE PRINT)**

PHONE 408 1720 3596

BLAKELY, SOKOLOFF,  
TAYLOR & ZAFMAN, LLP.  
1279 OAKHEAD PKWY  
SUNNYVALE CA 94086-4040  
74451.P137 MJM/mel  
Ricoh Corporation 01/10/02

**TO: (PLEASE PRINT)**

PHONE ( )

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PTO/SB/05 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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### UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 74451.P137  
(maximum 12 characters)

First Named Inventor Kathrin Berkner

Title: CONTENT AND DISPLAY DEVICE DEPENDENT CREATION OF SMALLER REPRESENTATION OF IMAGES

Express Mail Label No. EL 617 207 575 US

ADDRESS TO: Assistant Commissioner for Patents  
Box Patent Application  
Washington, D. C. 20231

### APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

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1. ☒ **Fee Transmittal Form (e.g., PTO/SB/17)**  
(Submit an original, and a duplicate for fee processing)
2. ☐ **Applicant Claims Small Entity Status. (37 CFR 1.27)**
3. ☒ **Specification (Total Pages 65)**  
(preferred arrangement set forth below)
  - Descriptive Title of the Invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ **Drawings(s) (35 USC 113) (Total Sheets 31)**
5. ☒ **Oath or Declaration (Total Pages 6)**
  - a. ☐ Newly Executed (Original or Copy)
  - b. ☐ Copy from a Prior Application (37 CFR 1.63(d))  
(for Continuation/Divisional with Box 17 completed)
    - i. ☐ DELETIONS OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
  - c. ☐ Unsigned.
6. ☐ **Application Data Sheet. (37 CFR 1.76)**
7. ☐ **CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)**
8. ☐ **Nucleotide and/or Amino Acid Sequence Submission**  
(if applicable, all necessary)
  - a. ☐ Computer Readable Form (CRF)
  - b. ☐ Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies); or
    - ii. ☐ paper
  - c. ☐ Statement verifying identity of above copies



## ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & documents(s))
10. ☐ a. Separate 37 CFR 3.73(b) Statement (where there is an assignee)
- ☐ b. Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ a. Information Disclosure Statement (IDS)/PTO-1449
- ☐ b. Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☒ Request and Certification under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other: \_\_\_\_\_

18A. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)  
Of Prior Application No.: \_\_\_\_\_ Examiner \_\_\_\_\_ Group Art Unit \_\_\_\_\_  
(which is a ☐ continuation/ ☐ divisional/ ☐ CIP of prior application no. \_\_\_\_\_)  
which is a ☐ continuation/ ☐ divisional/ ☐ CIP of prior application no. \_\_\_\_\_ (List entire chain of priority)

Applicant(s): Also include a Preliminary Amendment to amend the specification to claim priority.  
For CONTINUATION AND DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

18B. Statement under 37 CFR 3.73(b) for continuing application:

The undersigned states that \_\_\_\_\_ (name of assignee) is the assignee of the entire right, title, and interest in the accompanying patent application by virtue of an assignment recorded in the Patent and Trademark Office at Reel. No. \_\_\_\_\_ Frame No. \_\_\_\_\_ (or a copy of which is attached).

19. Correspondence Address

☐ Customer Number or Bar Code Label \_\_\_\_\_  
or \_\_\_\_\_ (Insert Customer No. or Attach Bar Code Label here)

☒ Correspondence Address Below

NAME \_\_\_\_\_  
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

ADDRESS 12400 Wilshire Boulevard  
Seventh Floor

CITY Los Angeles STATE California ZIP CODE 90025-1026

Country U.S.A. TELEPHONE (408) 720-8300 FAX (408) 720-9397

Name (PRINT/TYPE): Michael J. Mallie Registration No.: 36,591

Signature: \_\_\_\_\_ Date: January 10, 2002

# **CONTENT AND DISPLAY DEVICE DEPENDENT CREATION OF SMALLER REPRESENTATIONS OF IMAGES**

## RELATED APPLICATIONS

[0001] This application is related to the co-pending application entitled *Header-Based Processing Of Images Compressed Using Multi-Scale Transforms*, concurrently filed on January 10, 2002, U.S. Patent Application Serial No. \_\_\_\_\_, assigned to the corporate assignee of the present invention.

## FIELD OF THE INVENTION

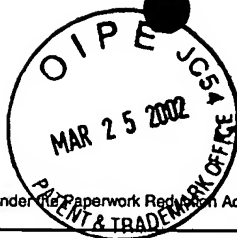
[0002] The invention relates generally to the field of image processing. More specifically, the invention relates to creating a smaller representation of an image.

## BACKGROUND OF THE INVENTION

[0003] Thumbnails are an extremely desirable graphical user interface component for most multimedia and document applications. A thumbnail is a resized smaller version of an image representative of the full image which can be displayed in some applications by clicking on the thumbnail. The resizing is typically done by traditional smoothing followed by downsampling. In most traditional applications, such as listings on a web page, the size of a thumbnail is fixed. A common problem with those thumbnail displays is that the image information is often not recognizable for the viewer and does not provide the desired usefulness.

[0004] Newer multimedia communication tools allow a free-format composition of images of various sources on a representative canvas. In this case, the size of a





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#3 MB/1/00 PTO/SB/17(09/00)

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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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## FEE TRANSMITTAL FOR FY 2002

TOTAL AMOUNT OF PAYMENT (\$) 130.00

Complete if Known:

Application No. 10/044,603

Filing Date January 10, 2002

First Named Inventor Kathrin Berkner

Group Art Unit 2621

Examiner Name \_\_\_\_\_

Attorney Docket No. 74451.P137

### METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number 02-2666

Deposit Account Name Blakely, Sokoloff, Taylor & Zafman LLP

☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

☐ Applicant claims small entity status. See 37 CFR 1.27

2. ☒ Payment Enclosed: ☒ Check  
\_\_\_\_\_ Money Order  
\_\_\_\_\_ Other

### FEE CALCULATION

#### 1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Code	Fee (\$)	Code	Fee (\$)		
101	740	201	370	Utility application filing fee	_____
106	330	206	165	Design application filing fee	_____
107	510	207	255	Plant filing fee	_____
108	740	208	370	Reissue filing fee	_____
114	160	214	80	Provisional application filing fee	_____

SUBTOTAL (1) \$ 0

#### 2. EXTRA CLAIM FEES

		Extra Claims	Fee from below	Fee Paid
Total Claims	_____	- 20** = _____	X _____	= _____
Independent Claims	_____	- 3** = _____	X _____	= _____
Multiple Dependent	_____		_____	= _____

\*\*Or number previously paid, if greater; For Reissues, see below.

Large Entity		Small Entity		Fee Description
Code	Fee (\$)	Code	Fee (\$)	
103	18	203	9	Claims in excess of 20
102	84	202	42	Independent claims in excess of 3
104	280	204	140	Multiple dependent claim, if not paid
109	84	209	42	**Reissue independent claims over original patent
110	18	210	9	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) \$ 0

### 3. ADDITIONAL FEES

Other fee (specify)

**SUBTOTAL (3)    \$ 130**

**\*Reduced by Basic Filing Fee Paid**

## SUBMITTED BY:

**Typed or Printed Name:** Michael J. Mallie

**Signature:**

Date:

**Req. Number: 36,591**

**Telephone Number:** 408-720-8300

**FIRST CLASS CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage in an envelope addressed to the Commissioner for Patents, Washington, DC 20231 on 1 2

Date: 3-13-02

Name: \_\_\_\_\_

~~Melanie Lyons~~